TRAITÉ DE COOPÉRATIO	N EN MATIÈRE DE BREVETS PCT/FR2004/0500
PCT NOTIFICATION DE TRANSMISSION DECOPES DE LA TRADUCTION DU RAPPORT DE EXAMEN DOCTEUT LA PRELIMINAIRE INTERNATIONAL SUR LA BREVETABILITE (CHAPITRE I OU CHAPITRE II DU TRAITE DE COOPERATION EN MATIERE DE BREVETS) (règles 44bis.3.c) et 72.2 du PCT)	Expéditeur : le BUREAU INTERNATIONAL Destinataire :
Date d'expédition (jour/mois/année) 02 mars 2006 (02.03.2006)	•
Référence du dossier du déposant ou du mandataire B 14238 EE	NOTIFICATION IMPORTANTE
Demande internationale n° PCT/FR2004/050049	Date du dépôt international (jour/mois/année) 06 février 2004 (06.02.2004)
Déposant COMPAGNIE GENERALE DES	S MATIERES NUCLEAIRES etc

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Le Bureau international transmet ci-joint copie de la traduction en langue anglaise du rapport préliminaire international sur la brevetabilité (chapitre II).

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Il appartient au déposant d'établir la traduction en question et de la remettre directement à chaque office élu intéressé dans le délai applicable (règle 74.1). Voir le volume II du Guide du déposant du PCT pour de plus amples renseignements.

> Bureau international de l'OMPI 34, chemin des Colombettes 1211 Genève 20, Suisse

Fonctionnaire autorisé

Beate Giffo-Schmitt

n° de télécopieur+41 22 740 14 35

n° de télécopieur+41 22 338 87 20

Formulaire PCT/IB/338 (janvier 2004)

TRAITÉ DE COOPÉRATION EN MATIÈRE DE BREVETS

PCT

RAPPORT PRÉLIMINAIRE INTERNATIONAL SUR LA BREVETABILITÉ

(chapitre I du Traité de coopération en matière de brevets)

(règle 44bis du PCT)

Voir le point 4 ci-dessous

Beate Giffo-Schmitt

no de téléphone: +41 22 338 87 20

POUR SUITE À DONNER

du mandataire B 14238 EE					
		Date du dépôt international (jo 06 February 2004 (06.02.20		Date de priorité (jourtmois/année) 10 February 2003 (10.02.2003)	
Classification internation Voir les informations pe	nale des brevet rtinentes dans l	s (8 ^e edition, sauf indication d'u le formulaire PCT/ISA/237	ne #dition ant#rieu	re)	
Déposant COMPAGNIE GENEF	RALE DES MA	ATIERES NUCLEAIRES			
				· · · · · · · · · · · · · · · · · · ·	
Le présent rappo l'administration	ort préliminaire chargée de la r	international sur la brevetabili echerche internationale selon l	té (chapitre I) est é a règle 44 <i>bis</i> .1.a).	tabli par le Bureau international au nom de	
2. Ce RAPPORT o	omprend un to	tal de 7 feuilles, y compris la p	résente feuille de c	ouverture.	
Dans les feuilles entendue, à la pl	jointes, toute i	référence à l'opinion écrite de l le référence au rapport prélimin	'administration chanaire international s	argée de la recherche internationale doit être sur la brevetabilité (chapitre I).	
3. Le présent rappo	ort contient des	indications relatives aux point	s suivants :		
Cad	Cadre n° I Base de l'opinion				
Cad	re n° II				
Cad	re n° III				
Cad	re n° TV	Absence d'unité de l'inver	ntion		
Cadre n° V Déclaration motivée selon l'article 35.2) quant à la nouveauté, l'activité inventive et l possibilité d'application industrielle; citations et explications à l'appui de cette déclaration					
Cad	re n° VI	Certains documents cités			
Cad	re n° VII	Certaines irrégularités rele	vées dans la dema	nde internationale	
Cad	re n° VIII	Certaines observations rela	atives à la demande	e internationale	
mais pas avant l	'expiration du	uniquera le présent rapport aux délai de 30 mois à compter de vertu de l'article 23.2).	offices désignés co la date de priorité (onformément aux règles 44bis.3.c) et 93bis.1 règle 44bis.2), sauf si le déposant a présenté une	
	·····	,			
:			Date d'établissen 22 February 20	nent du présent rapport 06 (22.02.2006)	
Ruragu international de l'OMDI			Fonctionnaire autorisé		

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Bureau international de l'OMPI 34, chemin des Colombettes

1211 Geneva 20, Switzerland

Référence du dossier du déposant ou

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING	AUTHORI	TY		a de la companya della companya della companya de la companya della companya dell
То:				PCT PCT PCT
			INTE	WRITTEN OPINION OF THE ERNATIONAL SEARCHING AUTHORITY
				(PCT Rule 43bis.1)
			Date of ma	
Applicant's or agent's file reference Form PCT/ISA/220	,		FOR FUR	THER ACTION See paragraph 2 below
International application No.			ļ	· ·
PCT/FR2004/05004	1	nternational filing date (day/month/yea	Priority date (day/month/year) 10.02.2003
International Patent Classification (IF	C) or both n	ational classification an	d IPC	
G21C19/48			t	
Applicant COMPAGNIE GENERA	LE DES	MATIERES	NUCLEAI	RES
1. This opinion contains indica	tions relatio	a to the following is		
N			:	. 1
\square	sis of the op	inion		
Box No. II Pr	iority			
Box No. III No	n-establishn	nent of opinion with reg	ard to novelty,	inventive step and industrial applicability
Box No. IV La	ck of unity o	of invention		
Box No. V Re	Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1 1	rtain docume		s supporting st	
Box No. VII Ce				
i i	— and the state of			
2. FURTHER ACTION			•	•
than this one to be the IPEA	and the cho	osen IPEA has notified:	That this does i	on will be considered to be a written opinion of the not apply where the applicant chooses an Authority other al Bureau under Rule 66.1 bis(b) that written opinions of
	mulority wil	n not be so considered.		
Topij whether, will	- applicultat	ic, with amendments t	MATATA tha ave	PIPEA, the applicant is invited to submit to the IPEA a iration of 3 months from the date of mailing of Form
PCT/ISA/220 or before the e For further options, see Form	whitemon of '	22 monuns from the price	rity date, whic	hever expires later.
,,,				
3. For further details, see notes	to Form PCT	T/ISA/220.		
Name and mailing address of the ISA/ Date of completion of this opinion Authorized officer				Authorized officer
EP			-	
acsimile No.			İ	Telephone No.

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/FR2004/050049

Box	No. I	Basis of the report	
1.	With rega	ard to the language, this opinion has been established on the basis of:	
	the	international application in the language in which it was filed	
		translation of the international application into	, which is the language of a
	tran	slation furnished for the purposes of international search (Rule 12.3(a) and 23.1(b)).	1
2.	With regineration	ard to any nucleotide and/or amino acid sequence disclosed in the international a this opinion has been established on the basis of:	pplication and necessary to the claimed
	a. type	of material	•
		a sequence listing	
		table(s) related to the sequence listing	
	b. form	nat of material	i .
		on paper	
		in electronic form	
	c. time	of filing/furnishing	
		contained in the international application as filed	
		filed together with the international application in electronic form	•
	片		•
		furnished subsequently to this Authority for the purposes of search	
3.		ddition, in the case that more than one version or copy of a sequence listing and/or to ished, the required statements that the information in the subsequent or additional copie or does not go beyond the application as filed, as appropriate, were furnished.	able(s) relating thereto has been filed or s is identical to that in the application as
4.	Additiona	comments:	
			,
			

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/FR2004/050049

Box	No. II	Priority	
1.	\boxtimes	possession a copy of the earlier applicati	t been considered because the International Searching Authority does not have in its on whose priority has been claimed or, where required, a translation of that earlier been established on the assumption that the relevant date (Rules 43bis.1 and 64.1) is the
2.		This opinion has been established as if no (Rules 43bis.1 and 64.1). Thus for the purprelevant date.	priority had been claimed due to the fact that the priority claim has been found invalid coses of this opinion, the international filing date indicated above is considered to be the
3.	Addi	tional observations, if necessary:	
			•
			·
		t	·

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/FR2004/050049

Бох	citations and expla	nt under Ru mations suj	ule 43 bis.1(a)(i) with re pporting such stateme	egard to novelty, inventi- nt	ve step or industrial applicability	у;
1.	Statement			r		
	Novelty (N)	Claims	1-22			YES
		Claims				NO
	Inventive step (IS)	Claims	1-22		· .	YES
		Claims				NO
	Industrial, applicability (IA)	Claims	1-22		•	YES
		Claims	:			NO

- 2. Citations and explanations:
 - In the present report, reference is made to the following document:
 - D1: PATENT ABSTRACTS OF JAPAN, vol. 013, no. 049
 (C-565), 3 February 1989 (1989-02-03) & JP 63
 243232 A (ISHIKAWAJIMA HARIMA HEAVY IND CO LTD)
 11 October 1988 (1988-10-11).
 - Document D1, which is considered to be the most relevant prior art, describes a method for capturing ruthenium present in a gaseous effluent, wherein the ruthenium is trapped as RuO4 in a column containing an adsorbent material such as a silica gel, a zeolite or polyethylene.

The subject matter of independent claim 1 differs from the above in that an alkylene glycol polymer and/or an alkylene glycol copolymer, wherein the alkylene(s) has (have) 2 to 6 carbon atoms, is used to trap the ruthenium.

2.1 It follows that the subject matter of claim 1 is novel (PCT Article 33(2)).

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/FR2004/050049

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability;

The problem that the present invention is intended to solve can therefore be considered to be that of providing a material that is close to polyethylene and has enhanced ruthenium adsorption properties.

2.2 The solution to this problem, as proposed in claim 1 of the present application, is considered to involve an inventive step (PCT Article 33(3)), for the following reasons:

The polymer or copolymer is capable of trapping RuO4 because it comprises one or more -OH reducing groupings. Moreover, it promotes the adsorption and limits the desorption of RuO4. As a result, the RuO4 surface dwell time is long enough for said RuO4 to be reduced.

What is more, said polymer or copolymer is advantageous in that it can, by virtue of its wetting properties, be readily deposited in thin layers on a substrate, thereby providing enhanced properties in terms of operative area and head loss in comparison with the prior art substances.

3. Similarly, the subject matter of claim 11, which relates to a ruthenium recovery cartridge that includes a substrate on which is deposited an alkylene glycol polymer and/or an alkylene glycol copolymer, wherein the alkylene(s) has (have) 2 to 6 carbon atoms, is novel and is considered to involve an inventive step (PCT Article 33(2) and